Assignee: Intel Corporation

ABSTRACT OF THE DISCLOSURE

A method and apparatus for determining replacement candidate cache lines, and for correlated prefetching, is disclosed. In one embodiment, a predictor determines whether a cache line that has a relative age older than a selected max-age is referenced fewer times than a threshold value. If so, then that cache line may be selected for replacement. In another embodiment, a correlating prefetcher may prefetch a cache line when it is found to be correlated to a cache line resident in a lower-order cache.

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